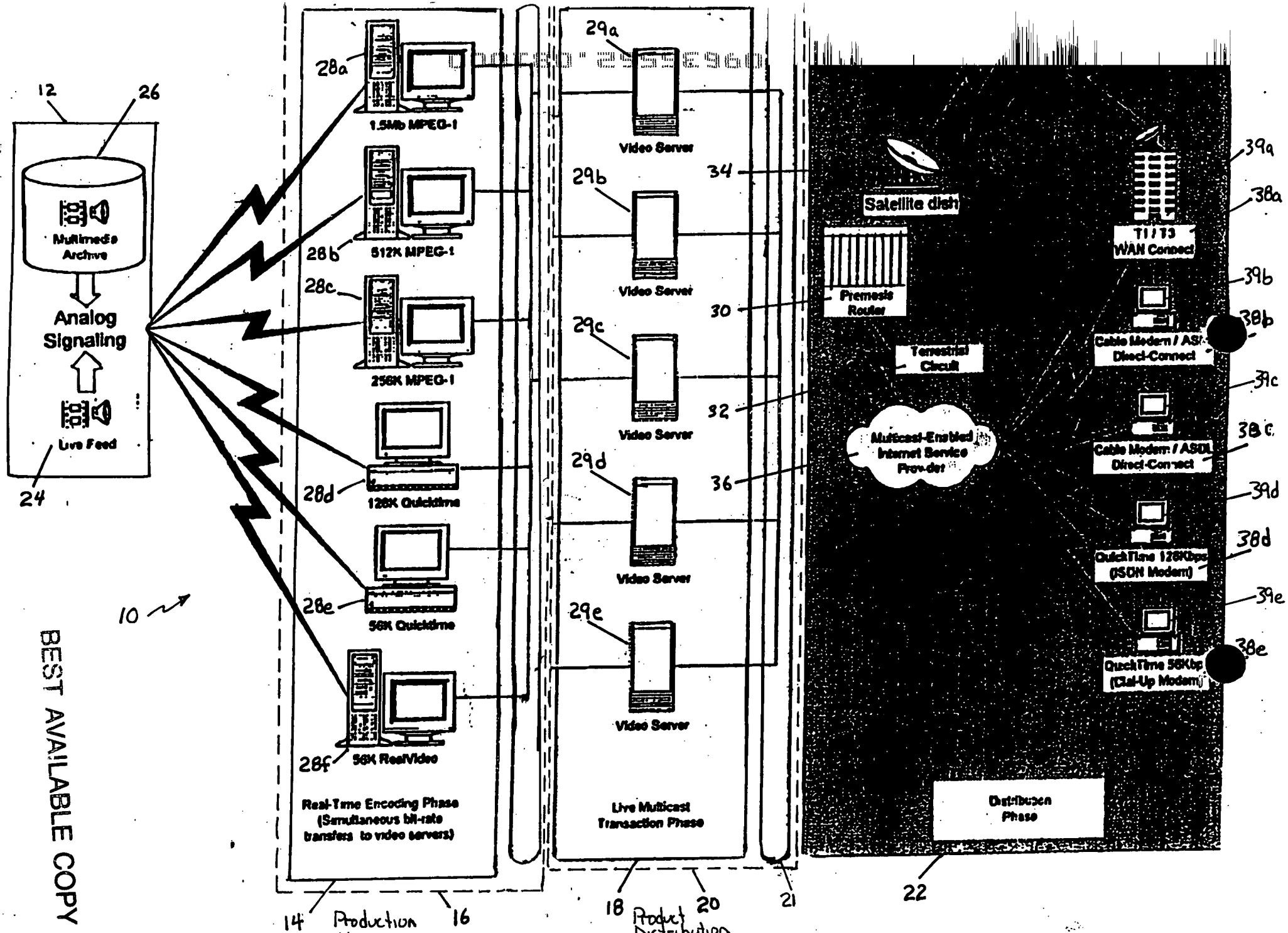


FIG. 1

BEST AVAILABLE COPY

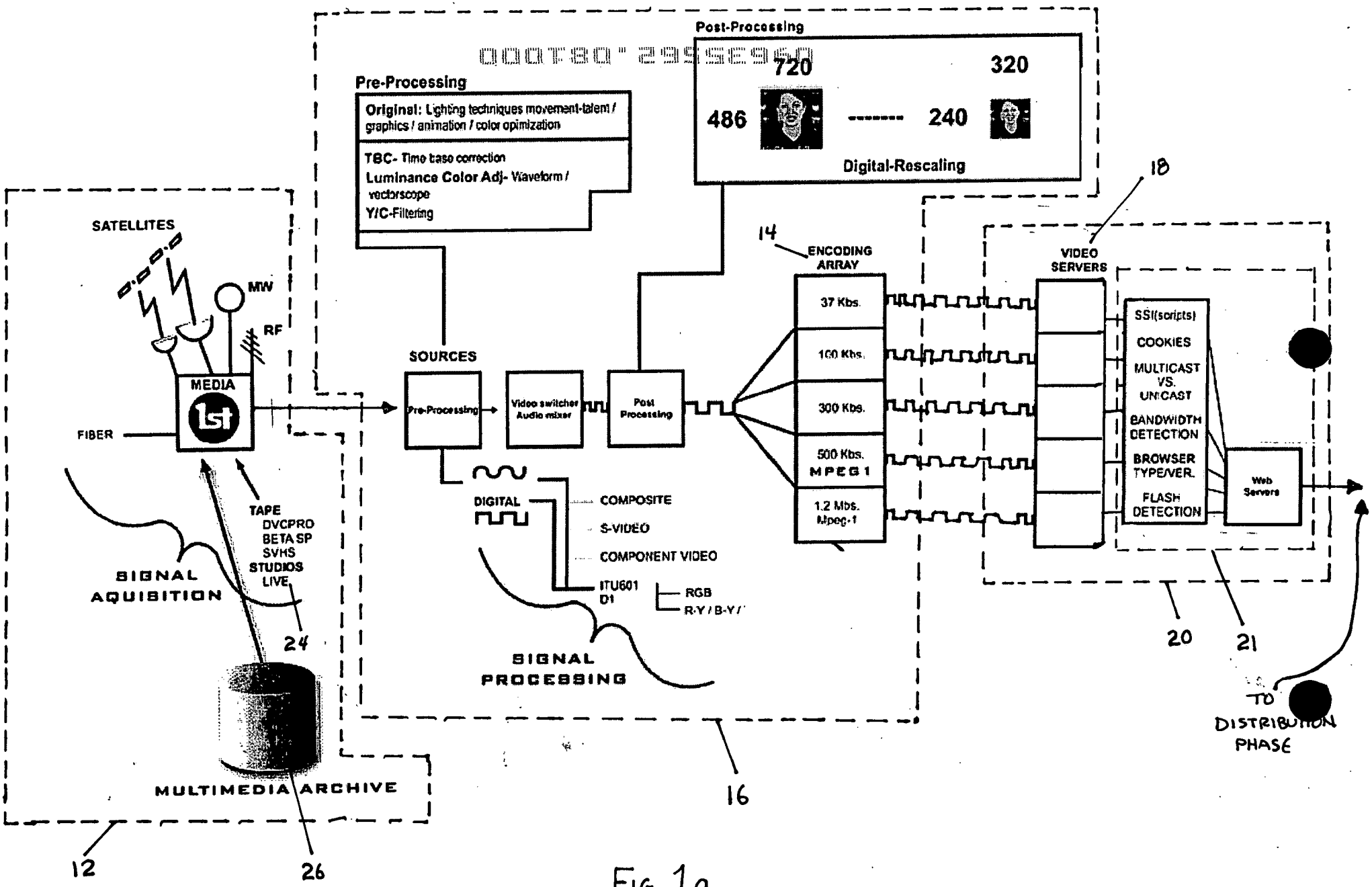

Post-Processing
720
320
486
240
Digital-Rescaling
Pre-Processing
Original: Lighting techniques movement-talent / graphics / animation / color optimization
TBC- Time base correction
Luminance Color Adj- Waveform / vectorscope
Y/C-Filtering
SATELLITES
MW
RF
MEDIA
FIBER
TAPE
DVCPRO
BETA SP
SVHS
STUDIOS
LIVE
SIGNAL AQUISITION
24
MULTIMEDIA ARCHIVE
26
12
SOURCES
Pre-Processing
Video switcher Audio mixer
Post Processing
DIGITAL
COMPOSITE
S-VIDEO
COMPONENT VIDEO
ITU601
D1
RGB
R-Y / B-Y /
SIGNAL PROCESSING
16
14
ENCODING ARRAY
37 Kbs.
100 Kbs.
300 Kbs.
500 Kbs.
MPEG 1
1.2 Mbs.
Mpeg-1
18
VIDEO SERVERS
SSI(scripts)
COOKIES
MULTICAST VS. UNICAST
BANDWIDTH DETECTION
BROWSER TYPE/VER.
FLASH DETECTION
Web Servers
20
21
TO DISTRIBUTION PHASE

Fig. 1a

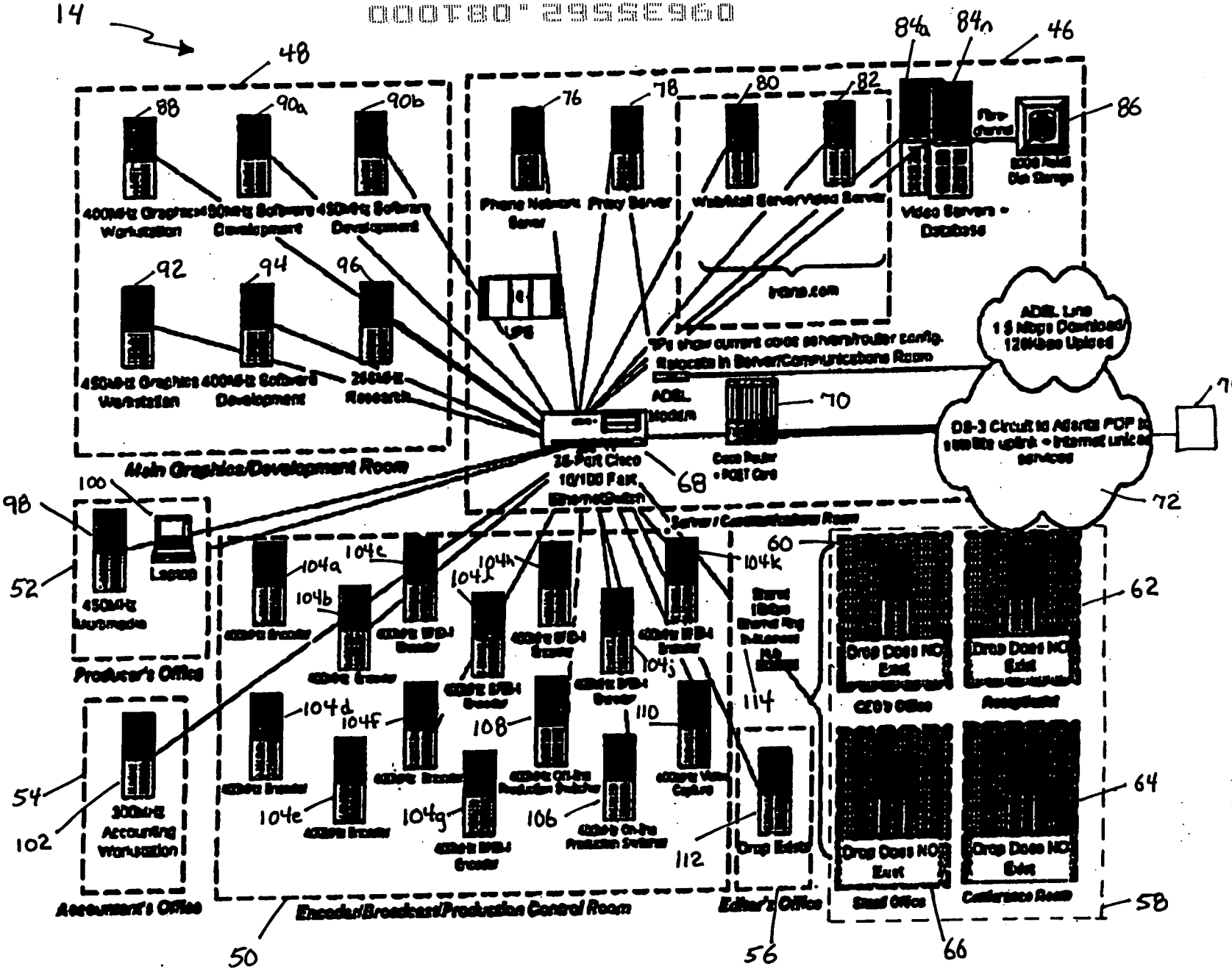

48
88
90a
90b
76
78
80
82
84a
84n
46
86
92
94
96
ADSL Line
1.5 Mbps Download/
128Kbps Upload
70
74
68
72
100
98
52
60
62
104a
104b
104c
104d
104e
104f
104g
104h
104j
104k
104l
104m
104n
104p
104q
104r
104s
104t
104u
104v
104w
104x
104y
104z
108
110
112
114
54
102
64
106
50
56
66
58
Main Graphics/Development Room
Producer's Office
Accountant's Office
Encoder/Broadcast/Production Control Room
Editor's Office
Server/Communications Room
Conference Room
Laptop
Drop Does NOT Exist

FIG. 2

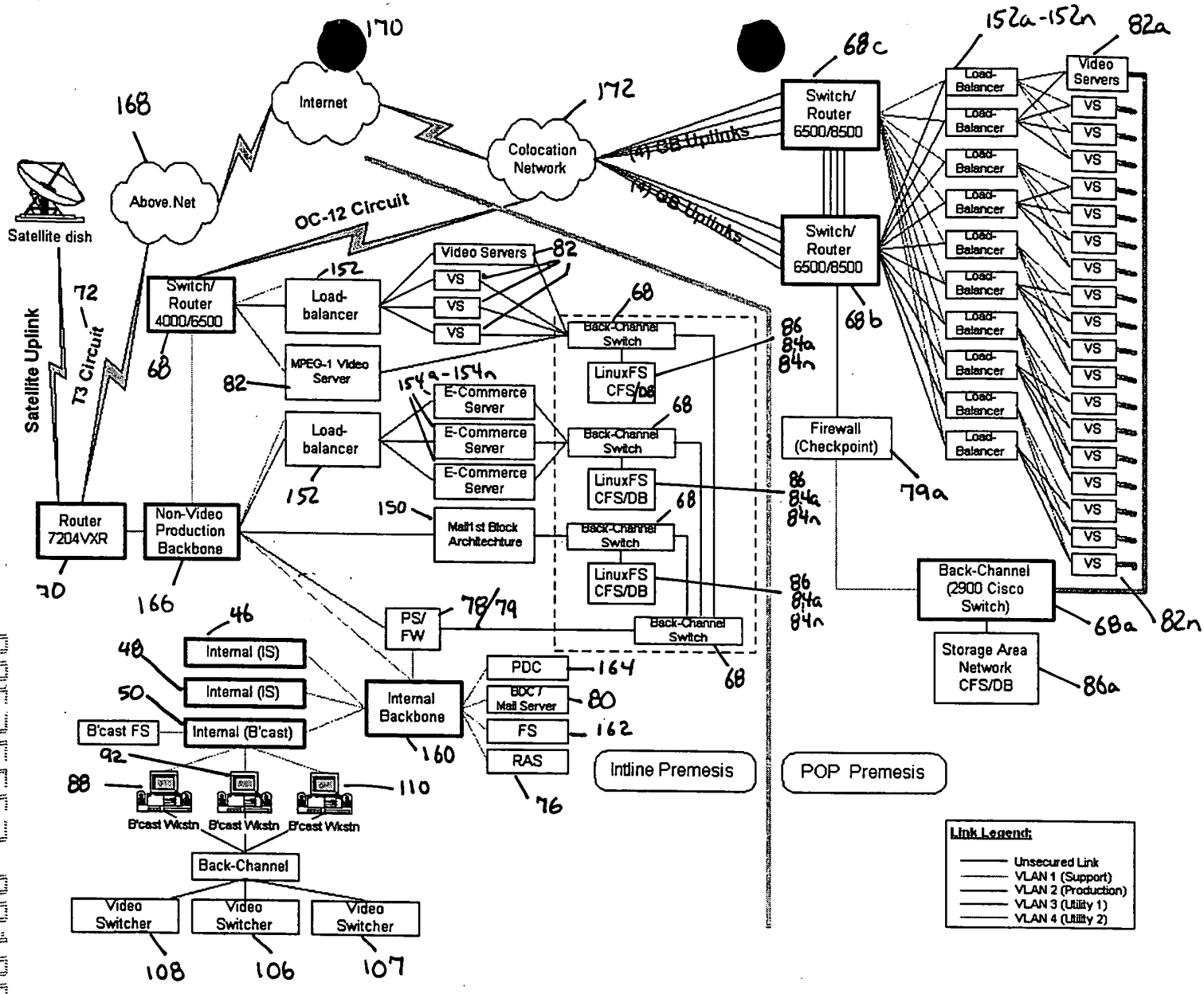

170
Internet
168
Above.Net
172
Colocation Network
Satellite dish
OC-12 Circuit
Satellite Uplink
72
T3 Circuit
68
Switch/ Router 4000/6500
Load-balancer
152
Video Servers
VS
82
MPEG-1 Video Server
Router 7204VXR
70
Non-Video Production Backbone
166
Mail1st Block Architechture
150
E-Commerce Server
154a-154n
Back-Channel Switch
LinuxFS CFS/DB
68
86
84a
84n
PS/ FW
78/79
Internal (IS)
46
40
50
Internal (B'cast)
B'cast FS
Internal Backbone
160
PDC
164
BDC / Mail Server
80
FS
162
RAS
76
92
88
110
B'cast Wkstn
Back-Channel
Video Switcher
108
106
107
Switch/ Router 6500/8500
68c
68b
(4) GB Uplinks
152a-152n
82a
82n
Firewall (Checkpoint)
79a
Back-Channel (2900 Cisco Switch)
68a
Storage Area Network CFS/DB
86a
Intline Premesis
POP Premesis
Link Legend:
Unsecured Link
VLAN 1 (Support)
VLAN 2 (Production)
VLAN 3 (Utility 1)
VLAN 4 (Utility 2)

Figure 2A

0007807 2955960

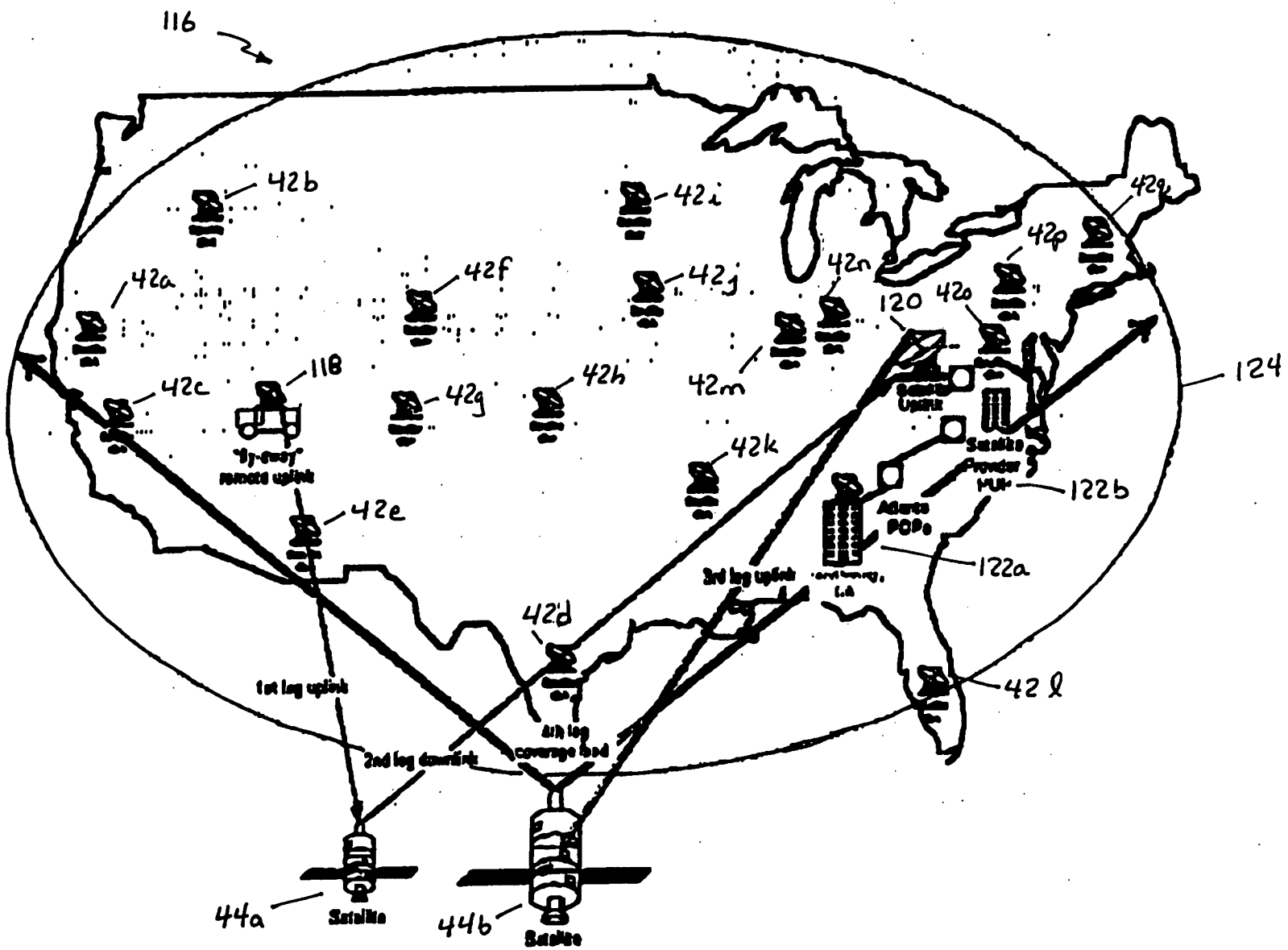


FIG. 3

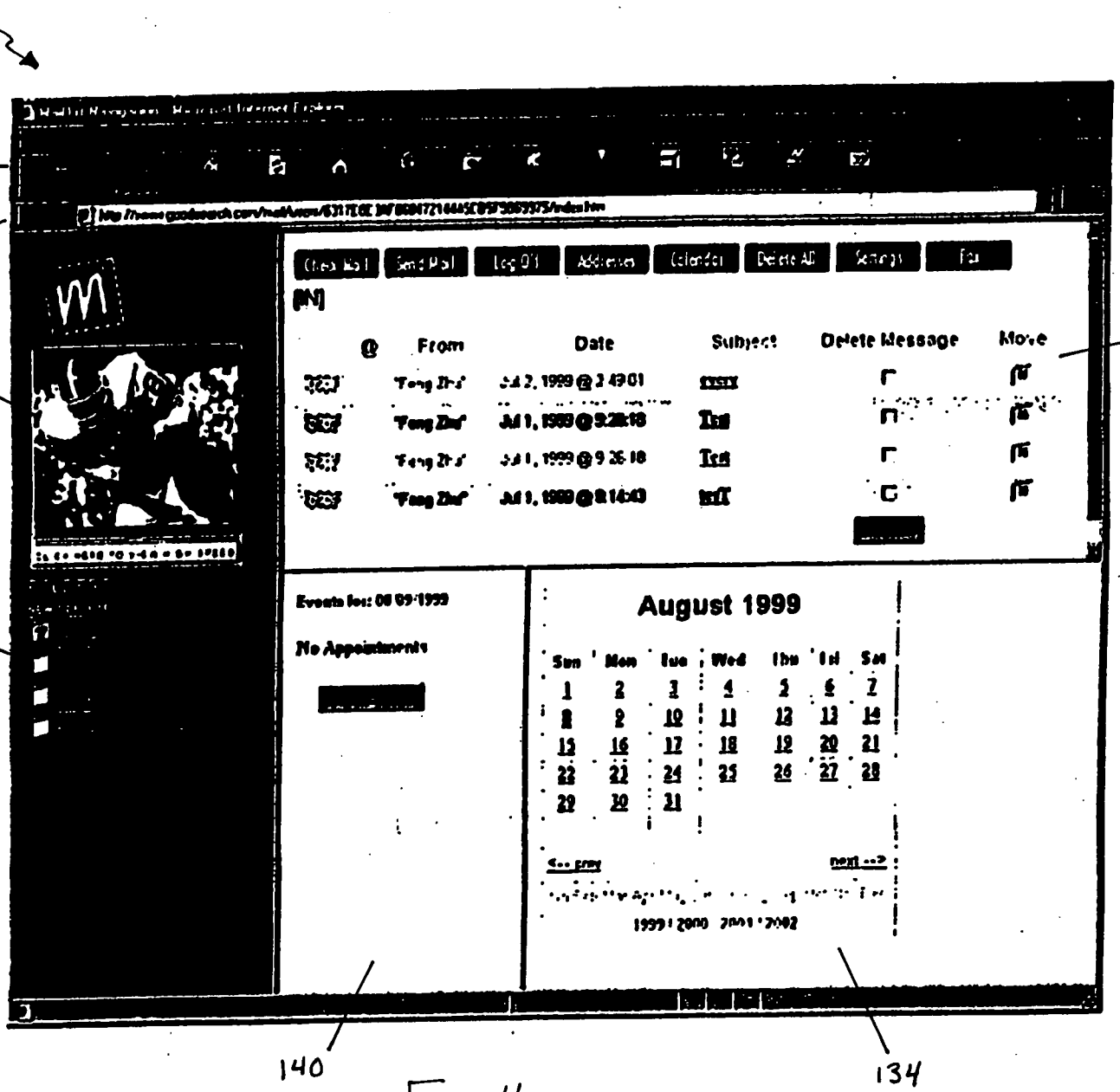

130
142
144
132
136
138
140
134
Delete Message
Move
August 1999
Sun
Mon
Tue
Wed
Thu
Fri
Sat

FIG. 4

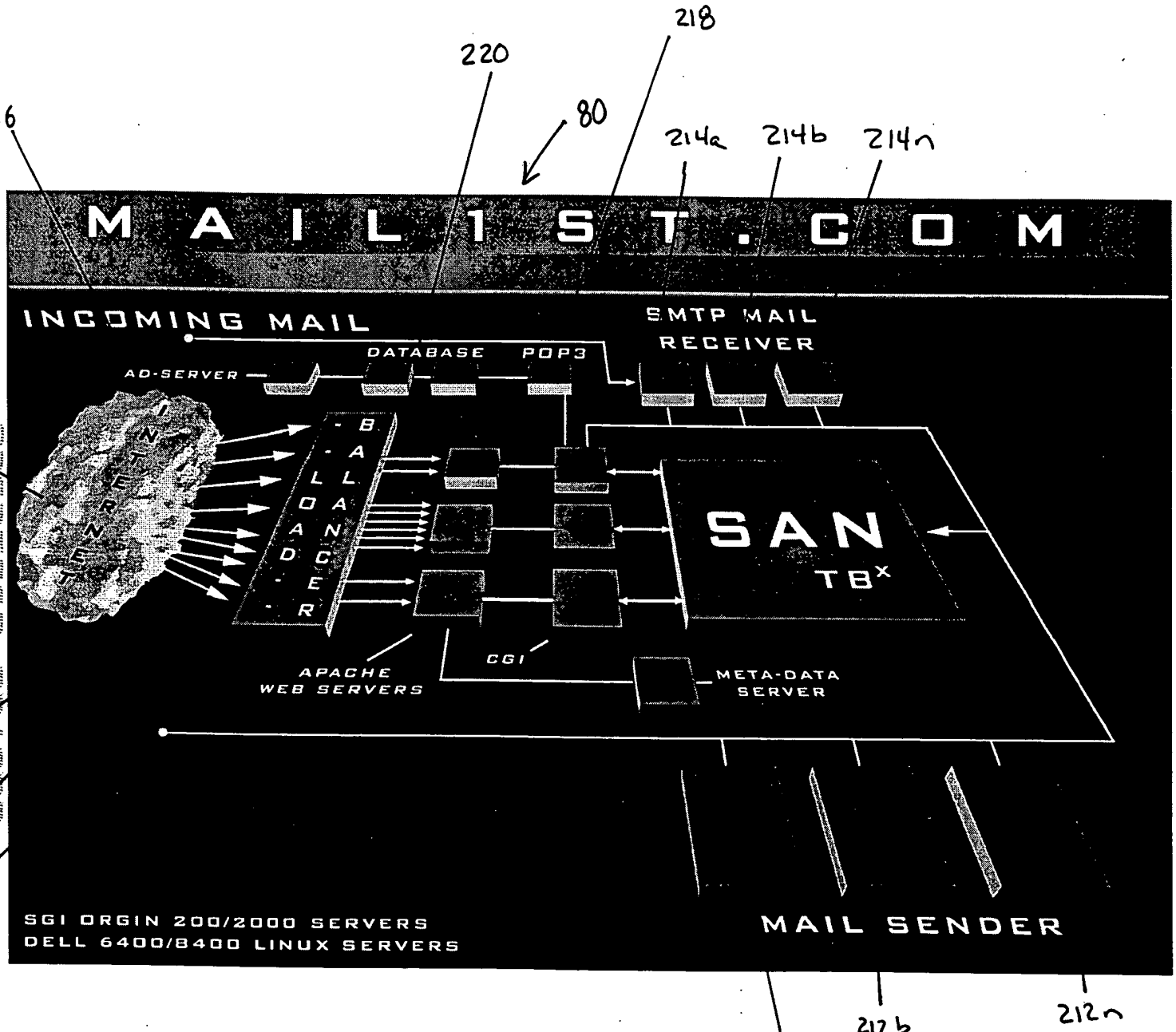

MAIL1ST.COM
INCOMING MAIL
SMTP MAIL RECEIVER
DATABASE
POP3
AD-SERVER
INTERNET
BALLOANCER
SAN
TB^X
APACHE WEB SERVERS
CGI
META-DATA SERVER
SGI ORGIN 200/2000 SERVERS
DELL 6400/8400 LINUX SERVERS
MAIL SENDER
216
220
218
80
214a
214b
214n
170
68
70
152
212a
212b
212n

FIG. 4A

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